CRF Errors Edited by the STIC Systems Branch

Serial Number: ___09/870,375A___   CRF Edit Date: __9/20/04__
Edited by: __AZ__

ENTERED

___ Realigned nucleic acid/amino acid numbers/text in cases where the sequence text "wrapped" to the next line.

___ Corrected the SEQ ID NO. Sequence numbers edited were:

_____

✓ (Inserted) or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited:

___16_____

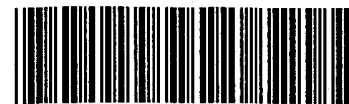___ Deleted: ___ invalid beginning/end-of-file text ; ___ page numbers

___ Inserted mandatory headings/numeric identifiers, specifically:

_____

___ Moved responses to same line as heading/numeric identifier, specifically:

_____

✓ Other: __Sequence 22 - changed <400> to <210>__

_____

_____

Revised 09/09/2003

RAW SEQUENCE LISTING   DATE: 09/20/2004
PATENT APPLICATION: **US/09/870,375A**   TIME: 11:52:50

Input Set : **A:\PTO.AMC.TXT**
Output Set: **N:\CRF4\09202004\I870375A.raw**

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 3 <110> APPLICANT: Greuber et al.
 5 <120> TITLE OF INVENTION: CHIMERIC PLANT PROMOTERS AND PLANTS CONTAINING THE SAME
 7 <130> FILE REFERENCE: 18433/2022
 9 <140> CURRENT APPLICATION NUMBER: 09/870,375A
10 <141> CURRENT FILING DATE: 2001-05-30
12 <150> PRIOR APPLICATION NUMBER: PCT/IB00/01383
13 <151> PRIOR FILING DATE: 2000-09-28
15 <160> NUMBER OF SEQ ID NOS: 38
17 <170> SOFTWARE: PatentIn Ver. 2.1
19 <210> SEQ ID NO: 1
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22 <213> ORGANISM: Triticum aestivum
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26 <222> LOCATION: (22)..(29)
27 <223> OTHER INFORMATION: Prolamine- like box
29 <220> FEATURE:
30 <221> NAME/KEY: misc_feature
31 <222> LOCATION: (70)..(73)
32 <223> OTHER INFORMATION: GATA box
34 <220> FEATURE:
35 <221> NAME/KEY: misc_feature
36 <222> LOCATION: (87)..(90)
37 <223> OTHER INFORMATION: GATA box
39 <220> FEATURE:
40 <221> NAME/KEY: misc_feature
41 <222> LOCATION: (127)..(133)
42 <223> OTHER INFORMATION: Prolamine-like box
44 <220> FEATURE:
45 <221> NAME/KEY: misc_feature
46 <222> LOCATION: (161)..(168)
47 <223> OTHER INFORMATION: G-like box
49 <220> FEATURE:
50 <221> NAME/KEY: enhancer
51 <222> LOCATION: (193)..(230)
52 <223> OTHER INFORMATION: Enhancer box
54 <220> FEATURE:
55 <221> NAME/KEY: TATA_signal
56 <222> LOCATION: (349)..(355)
57 <223> OTHER INFORMATION: TATA box
59 <220> FEATURE:
60 <221> NAME/KEY: misc_feature
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RAW SEQUENCE LISTING
PATENT APPLICATION: **US/09/870,375A**

DATE: 09/20/2004
TIME: 11:52:50

Input Set : **A:\PTO.AMC.TXT**
Output Set: **N:\CRF4\09202004\I870375A.raw**

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66 cccaagaagg ataatcactt ttcttagata aaaaagaaca gaccaatata caaacatcca 120
67 cacttctgca aacaatacat cagaactagg attacgccga ttacgtggct ttagcagact 180
68 gtccaaaaat ctgttttgca aagctccaat tgctccttgc ttatccagct tcttttgtgt 240
69 tggcaaactg cgcttttcca accgattttg ttcttctcgc gctttcttct taggctaaac 300
70 aaacctcacc gtgcacgcag ccatggtcct gaaccttcac ctcgtccta taaaagccta 360
71 gccaaccttc acaatcttat catcacccac aacaccgagc accacaaact agagatc    417
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75 <211> LENGTH: 181
76 <212> TYPE: DNA
77 <213> ORGANISM: Artificial Sequence
79 <220> FEATURE:
80 <223> OTHER INFORMATION: Description of Artificial Sequence:MPr1126
81        promoter
83 <220> FEATURE:
84 <221> NAME/KEY: TATA_signal
85 <222> LOCATION: (113)..(119)
86 <223> OTHER INFORMATION: TATA box
88 <220> FEATURE:
89 <221> NAME/KEY: misc_feature
90 <222> LOCATION: (143)
91 <223> OTHER INFORMATION: Transcription Initiation site
93 <400> SEQUENCE: 2
94 gtgttggcaa actgcgcttt tccaaccgat tttgttcttc tcgcgctttc ttcttaggct 60
95 aaacaaacct caccgtgcac gcagccatgg tcctgaacct tcacctcgtc cctataaaag 120
96 cctagccaac cttcacaatc ttatcatcac ccacaacacc gagcaccaca aactagagat 180
97 c                                                                 181
100 <210> SEQ ID NO: 3
101 <211> LENGTH: 244
102 <212> TYPE: DNA
103 <213> ORGANISM: Artificial Sequence
105 <220> FEATURE:
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107        promoter
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112 <223> OTHER INFORMATION: Enhancer box
114 <220> FEATURE:
115 <221> NAME/KEY: TATA_signal
116 <222> LOCATION: (176)..(182)
117 <223> OTHER INFORMATION: TATA box
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120 <221> NAME/KEY: misc_feature
121 <222> LOCATION: (206)
122 <223> OTHER INFORMATION: Transcription Initiation site
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126 tttgtgttgg caaactgcgc ttttccaacc gattttgttc ttctcgcgct ttcttcttag 120
127 gctaaacaaa cctcaccgtg cacgcagcca tggtcctgaa ccttcacctc gtccctataa 180
128 aagcctagcc aaccttcaca atcttatcat cacccacaac accgagcacc acaaactaga 240
129 gatc                                                           244
132 <210> SEQ ID NO: 4
133 <211> LENGTH: 277
134 <212> TYPE: DNA
135 <213> ORGANISM: Artificial Sequence
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139       promoter
141 <220> FEATURE:
142 <221> NAME/KEY: misc_feature
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144 <223> OTHER INFORMATION: G-like box
146 <220> FEATURE:
147 <221> NAME/KEY: enhancer
148 <222> LOCATION: (53)..(90)
149 <223> OTHER INFORMATION: Enhancer box
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152 <221> NAME/KEY: TATA_signal
153 <222> LOCATION: (209)..(215)
154 <223> OTHER INFORMATION: TATA box
156 <220> FEATURE:
157 <221> NAME/KEY: misc_feature
158 <222> LOCATION: (239)
159 <223> OTHER INFORMATION: Transcription Initiation Site
161 <400> SEQUENCE: 4
162 cagaactagg attacgccga ttacgtggct ttagcagact gtccaaaaat ctgttttgca 60
163 aagctccaat tgctccttgc ttatccagct tcttttgtgt tggcaaactg cgcttttcca 120
164 accgattttg ttcttctcgc gctttcttct taggctaaac aaacctcacc gtgcacgcag 180
165 ccatggtcct gaaccttcac ctcgtcccta taaaagccta gccaaccttc acaatcttat 240
166 catcacccac aacaccgagc accacaaact agagatc                        277
169 <210> SEQ ID NO: 5
170 <211> LENGTH: 472
171 <212> TYPE: DNA
172 <213> ORGANISM: Artificial Sequence
174 <220> FEATURE:
175 <223> OTHER INFORMATION: Description of Artificial Sequence:MPr1130
176       promoter
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179 <221> NAME/KEY: misc_feature
180 <222> LOCATION: (22)..(29)
181 <223> OTHER INFORMATION: Prolamine-like box
183 <220> FEATURE:
184 <221> NAME/KEY: misc_feature
185 <222> LOCATION: (70)..(73)
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188 <220> FEATURE:
189 <221> NAME/KEY: misc_feature
190 <222> LOCATION: (87)..(90)
191 <223> OTHER INFORMATION: GATA box
193 <220> FEATURE:
194 <221> NAME/KEY: misc_feature
195 <222> LOCATION: (127)..(133)
196 <223> OTHER INFORMATION: Prolamine-like box
198 <220> FEATURE:
199 <221> NAME/KEY: misc_feature
200 <222> LOCATION: (161)..(168)
201 <223> OTHER INFORMATION: G-like box
203 <220> FEATURE:
204 <221> NAME/KEY: enhancer
205 <222> LOCATION: (193)..(230)
206 <223> OTHER INFORMATION: Enhancer box
208 <220> FEATURE:
209 <221> NAME/KEY: misc_feature
210 <222> LOCATION: (314)..(368)
211 <223> OTHER INFORMATION: As2/As2/As1 box
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214 <221> NAME/KEY: TATA_signal
215 <222> LOCATION: (404)..(410)
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219 <221> NAME/KEY: misc_feature
220 <222> LOCATION: (434)
221 <223> OTHER INFORMATION: Transcription Initiation Site
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225 cccaagaagg ataatcactt ttcttagata aaaaagaaca gaccaatata caaacatcca 120
226 cacttctgca aacaatacat cagaactagg attacgccga ttacgtggct ttagcagact 180
227 gtccaaaaat ctgttttgca aagctccaat tgctccttgc ttatccagct tcttttgtgt 240
228 tggcaaactg cgcttttcca accgattttg ttcttctcgc gctttcttct taggctaaac 300
229 aaacctcacc gtgattgatg tgatatcaag attgatgtga tatctccact gacgtaaggg 360
230 atgacgcaca cgcagccatg gtcctgaacc ttcacctcgt ccctataaaa gcctagccaa 420
231 ccttcacaat cttatcatca cccacaacac cgagcaccac aaactagaga tc         472
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235 <211> LENGTH: 455
236 <212> TYPE: DNA
237 <213> ORGANISM: Artificial Sequence
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240 <223> OTHER INFORMATION: Description of Artificial Sequence:MPr1131
241       promoter
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245 <222> LOCATION: (22)..(29)
246 <223> OTHER INFORMATION: Prolamine-like box
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RAW SEQUENCE LISTING   DATE: 09/20/2004
PATENT APPLICATION: **US/09/870,375A**   TIME: 11:52:50

     Input Set : **A:\PTO.AMC.TXT**
     Output Set: **N:\CRF4\09202004\I870375A.raw**

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248 <220> FEATURE:
249 <221> NAME/KEY: misc_feature
250 <222> LOCATION: (70)..(73)
251 <223> OTHER INFORMATION: GATA box
253 <220> FEATURE:
254 <221> NAME/KEY: misc_feature
255 <222> LOCATION: (87)..(90)
256 <223> OTHER INFORMATION: GATA box
258 <220> FEATURE:
259 <221> NAME/KEY: misc_feature
260 <222> LOCATION: (127)..(133)
261 <223> OTHER INFORMATION: Prolamine-like box
263 <220> FEATURE:
264 <221> NAME/KEY: misc_feature
265 <222> LOCATION: (161)..(168)
266 <223> OTHER INFORMATION: G-like box
270 <400> SEQUENCE: 6
271 agctttgagt ggccgtagat ttgcaaaagc aatggctaac agacacatat tctgccaaac 60
272 cccaagaagg ataatcactt ttcttagata aaaaagaaca gaccaatata caaacatcca 120
273 cacttctgca aacaatacat cagaactagg attacgccga ttacgtggct ttagcagact 180
274 gtccaaaaat ctgttttgca aagctccaat tgctccttgc ttatccagct tcttttgtgt 240
275 tggcaaactg cgcttttcca accgattttg ttcttctcgc gctttcttct taggctaaac 300
276 aaacctcacc gtgattgatg tgatatctcc actgacgtaa gggatgacgc acacgcagcc 360
277 atggtcctga accttcacct cgtccctata aaagcctagc caaccttcac aatcttatca 420
278 tcacccacaa caccgagcac cacaaactag agatc                          455
280 <210> SEQ ID NO: 7
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282 <212> TYPE: DNA
283 <213> ORGANISM: Artificial Sequence
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286 <223> OTHER INFORMATION: Description of Artificial Sequence:MPr1133
287      promoter
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291 <222> LOCATION: (78)..(132)
292 <223> OTHER INFORMATION: As2/As2/As1 box
294 <220> FEATURE:
295 <221> NAME/KEY: misc_feature
296 <222> LOCATION: (198)
297 <223> OTHER INFORMATION: Transcription Initiation Site
299 <400> SEQUENCE: 7
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301 aaacaaacct caccgtgatt gatgtgatat caagattgat gtgatatctc cactgacgta 120
302 agggatgacg cacacgcagc catggtcctg aaccttcacc tcgtccctat aaaagcctag 180
303 ccaaccttca caatcttatc atcacccaca acaccgagca ccacaaacta gagatc      236
305 <210> SEQ ID NO: 8
306 <211> LENGTH: 299
307 <212> TYPE: DNA
308 <213> ORGANISM: Artificial Sequence
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VERIFICATION SUMMARY DATE: 09/20/2004
PATENT APPLICATION: **US/09/870,375A** TIME: 11:52:51

Input Set : **A:\PTO.AMC.TXT**
Output Set: **N:\CRF4\09202004\I870375A.raw**

L:1100 M:112 C: (48) String data converted to lower case,

IFW16

RAW SEQUENCE LISTING   DATE: 09/17/2004
PATENT APPLICATION: US/09/870,375A   TIME: 09:55:40

Input Set : A:\final seq listing.TXT
Output Set: N:\CRF4\09172004\I870375A.raw

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 3 <110> APPLICANT: Greuber et al.
 5 <120> TITLE OF INVENTION: CHIMERIC PLANT PROMOTERS AND PLANTS CONTAINING THE SAME
 7 <130> FILE REFERENCE: 18433/2022
 9 <140> CURRENT APPLICATION NUMBER: 09/870,375A
10 <141> CURRENT FILING DATE: 2001-05-30
12 <150> PRIOR APPLICATION NUMBER: PCT/IB00/01383
13 <151> PRIOR FILING DATE: 2000-09-28
15 <160> NUMBER OF SEQ ID NOS: 38
17 <170> SOFTWARE: PatentIn Ver. 2.1
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ERRORED SEQUENCES

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598 <222> LOCATION: (28)..(34)
599 <223> OTHER INFORMATION: TATA box
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602 <221> NAME/KEY: misc_feature
603 <222> LOCATION: (58)
604 <223> OTHER INFORMATION: Transcription Initiation Site
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608 atcacccaca acaccgagca ccacaaacta gagatc                         96
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788 <213> ORGANISM: Artificial Sequence
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796 <222> LOCATION: (7)..(14)
797 <223> OTHER INFORMATION: G-like box
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RAW SEQUENCE LISTING   DATE: 09/17/2004
PATENT APPLICATION: **US/09/870,375A**   TIME: 09:55:41

Input Set : **A:\final seq listing.TXT**
Output Set: **N:\CRF4\09172004\I870375A.raw**

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802 <223> OTHER INFORMATION: Enhancer box
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806 <222> LOCATION: (102)..(109)
807 <223> OTHER INFORMATION: G-like box
809 <220> FEATURE:
810 <221> NAME/KEY: enhancer
811 <222> LOCATION: (134)..(171)
812 <223> OTHER INFORMATION: Enhancer box
814 <220> FEATURE:
815 <221> NAME/KEY: TATA_signal
816 <222> LOCATION: (290)..(296)
817 <223> OTHER INFORMATION: TATA box
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820 <221> NAME/KEY: misc_feature
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822 <223> OTHER INFORMATION: Transcription Initiation Site
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826 ccttgcttat ccagcttctt ttgtgttggt ctagacgccg attacgtggc tttagcagac 120
827 tgtccaaaaa tctgttttgc aaagctccaa ttgctccttg cttatccagc ttcttttgtg 180
828 ttggcaaact gcgcttttcc aaccgatttt gttcttctcg cgctttcttc ttaggctaaa 240
829 caaacctcac cgtgcacgca gccatggtcc tgaaccttca cctcgtccct ataaaagcct 300
830 agccaacctt cacaatctta tcatcaccca caacaccgag caccacaaac tagagatc    358
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E--> 832 <212> TYPE:
E--> 832 <213> ORGANISM:
E--> 832 <400> SEQUENCE: 22
E--> 832 22

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833 <211> LENGTH: 453
834 <212> TYPE: DNA
835 <213> ORGANISM: Artificial Sequence
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839        promoter
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W--> 842 <221> NAME/KEY: misc_feature
W--> 843 <222> LOCATION: (8)..(15)
W--> 844 <223> OTHER INFORMATION: G-like box
W--> 846 <220> FEATURE:
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RAW SEQUENCE LISTING   DATE: 09/17/2004
PATENT APPLICATION: US/09/870,375A   TIME: 09:55:41

Input Set : A:\final seq listing.TXT
Output Set: N:\CRF4\09172004\I870375A.raw

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W--> 864 <223> OTHER INFORMATION: G-like box
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W--> 869 <223> OTHER INFORMATION: Enhancer box
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W--> 872 <221> NAME/KEY: TATA_signal
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W--> 877 <221> NAME/KEY: misc_feature
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W--> 879 <223> OTHER INFORMATION: Transcription Initiation Site
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E--> 881 <400> SEQUENCE: 22
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     883 tccttgctta tccagcttct tttgtgttgg tctagacgcg attacgtggc tttagcagac 120
     884 tgtccaaaaa tctgttttgc aaagctccaa ttgctccttg cttatccagc ttcttttgtg 180
     885 ttggtctaga cgccgattac gtggctttag cagactgtcc aaaaatctgt tttgcaaagc 240
     886 tccaattgct ccttgcttat ccagcttctt ttgtgttggc aaactgcgct tttccaaccg 300
     887 attttgttct tctcgcgctt tcttcttagg ctaaacaaac ctcaccgtgc acgcagccat 360
     888 ggtcctgaac cttcacctcg tccctataaa agcctagcca accttcacaa tcttatcatc 420
     889 acccacaaca ccgagcacca caaactagag atc                            453
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     893 <212> TYPE: DNA
     894 <213> ORGANISM: Artificial Sequence
     896 <220> FEATURE:
     897 <223> OTHER INFORMATION: Description of Artificial
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     900 <400> SEQUENCE: 23
     901 tacgaattcc tcgacatggt tagaagtttt gagtgccgcc actactcgac atggttagaa 60
     902 gttttgagtg gccgtagatt tgc                                        83
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charge to

/2107 <400> 22
<211> 453
<212> DNA
<213> Artificial Sequence

<220>
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      promoter

<220>
<221> misc_feature
<222> (8)..(15)
<223> G-like box

Input Set : **A:\final seq listing.TXT**
Output Set: **N:\CRF4\09172004\I870375A.raw**

Skipped Sequences(NEW RULES):
Sequence(s)__missing. If intentional, please use the following format for
each skipped sequence.
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<400> sequence id number
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Seq#:22

Input Set : **A:\final seq listing.TXT**
Output Set: **N:\CRF4\09172004\I870375A.raw**

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L:832 M:282 E: Numeric Field Identifier Missing, <211> is required.
L:832 M:282 E: Numeric Field Identifier Missing, <212> is required.
L:832 M:282 E: Numeric Field Identifier Missing, <213> is required.
L:832 M:212 E: (34) Invalid or duplicate Sequence ID Number, SEQUENCE ID NOS:21 differs:22
L:832 M:301 E: (44) No Sequence Data was Shown, SEQ ID:0
L:837 M:281 W: Numeric Fields not Ordered, <220> not ordered!.
L:838 M:281 W: Numeric Fields not Ordered, <223> not ordered!.
L:841 M:281 W: Numeric Fields not Ordered, <220> not ordered!.
L:842 M:281 W: Numeric Fields not Ordered, <221> not ordered!.
L:843 M:281 W: Numeric Fields not Ordered, <222> not ordered!.
L:844 M:281 W: Numeric Fields not Ordered, <223> not ordered!.
L:846 M:281 W: Numeric Fields not Ordered, <220> not ordered!.
L:847 M:281 W: Numeric Fields not Ordered, <221> not ordered!.
L:848 M:281 W: Numeric Fields not Ordered, <222> not ordered!.
L:849 M:281 W: Numeric Fields not Ordered, <223> not ordered!.
L:851 M:281 W: Numeric Fields not Ordered, <220> not ordered!.
L:852 M:281 W: Numeric Fields not Ordered, <221> not ordered!.
L:853 M:281 W: Numeric Fields not Ordered, <222> not ordered!.
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L:857 M:281 W: Numeric Fields not Ordered, <221> not ordered!.
L:858 M:281 W: Numeric Fields not Ordered, <222> not ordered!.
L:859 M:281 W: Numeric Fields not Ordered, <223> not ordered!.
L:861 M:281 W: Numeric Fields not Ordered, <220> not ordered!.
L:862 M:281 W: Numeric Fields not Ordered, <221> not ordered!.
L:863 M:281 W: Numeric Fields not Ordered, <222> not ordered!.
L:864 M:281 W: Numeric Fields not Ordered, <223> not ordered!.
L:866 M:281 W: Numeric Fields not Ordered, <220> not ordered!.
L:867 M:281 W: Numeric Fields not Ordered, <221> not ordered!.
L:868 M:281 W: Numeric Fields not Ordered, <222> not ordered!.
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L:876 M:281 W: Numeric Fields not Ordered, <220> not ordered!.
L:877 M:281 W: Numeric Fields not Ordered, <221> not ordered!.
L:878 M:281 W: Numeric Fields not Ordered, <222> not ordered!.
L:879 M:281 W: Numeric Fields not Ordered, <223> not ordered!.
L:881 M:282 E: Numeric Field Identifier Missing, <210> is required.
L:881 M:212 E: (34) Invalid or duplicate Sequence ID Number, SEQUENCE ID NOS:21 differs:22
L:891 M:214 E: (33) Seq.# missing, SEQ ID NO:22
L:1100 M:112 C: (48) String data converted to lower case,
L:1102 M:334 W: (2) Invalid Amino Acid in Coding Region, NUMBER OF INVALID KEYS:1
L:15 M:203 E: No. of Seq. differs, <160> Number Of Sequences:Input (38) Counted (39)
```